

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/015391

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05B19/042

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 168 441 A (ONARHEIM ET AL) 1 December 1992 (1992-12-01) the whole document	1-5, 9, 10
Y		6-8
A		11-26
X	WO 95/04314 A (FISHER-ROSEMOUNT SYSTEMS, INC) 9 February 1995 (1995-02-09) the whole document	11-16, 20-26
Y		17-19
A		1-10
Y	US 6 445 963 B1 (BLEVINS TERRENCE L ET AL) 3 September 2002 (2002-09-03) the whole document	6-8, 17-19
A		1-5, 9-16, 20-26

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

31 August 2005

Date of mailing of the international search report

16/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Vaño Gea, J

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/015391

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5168441	A	01-12-1992	DE 69121712 D1	02-10-1996
			DE 69121712 T2	20-03-1997
			EP 0531435 A1	17-03-1993
			JP 2984369 B2	29-11-1999
			JP 5507376 T	21-10-1993
			WO 9119237 A1	12-12-1991
WO 9504314	A	09-02-1995	US 5594858 A	14-01-1997
			CN 1130430 A ,C	04-09-1996
			DE 69426980 D1	03-05-2001
			DE 69426980 T2	15-11-2001
			EP 0711429 A1	15-05-1996
			JP 3537051 B2	14-06-2004
			JP 9500996 T	28-01-1997
			SG 49878 A1	15-06-1998
			WO 9504314 A1	09-02-1995
US 6445963	B1	03-09-2002	DE 10048360 A1	10-05-2001
			GB 2355545 A ,B	25-04-2001
			GB 2393528 A ,B	31-03-2004
			HK 1061578 A1	04-02-2005
			JP 2001216003 A	10-08-2001

BEST AVAILABLE COPY